

Regulation on the Usage of banned Antibiotics in Aquaculture – Constituting District Level Committees and Task Force Committees to take action on the sale of Veterinary Grade and banned Antibiotics in Aqua culture in the State.

Government of Maharashtra
Agriculture, Dairy Development, Animal Husbandry and Fisheries Department
Government Resolution No.: Matsyavi 1122/CR 118/ADF 14
Madam Cama Marg, Hutatma Rajguru Chowk,
Mantralaya, Annexe, Mumbai – 400 032
Date: 15-06-2022

Read –

- Ref- 1) Ministry of Fisheries, Animal Husbandry & Dairying,
Department of Fisheries, Government of India,
D.O.No.33035/4/2002-Fy (t-2)/(Trade) (E-2356) dated 6.6.2022.
2) Chief Secretary, Maharashtra State, instruction vide ref.no.1 dated
7/06/2022

Resolution-

The Aqua Production is the key Performance Indicators of Growth Engine. Due to the greater potentiality for aquaculture for fish, shrimp etc., the department of Fisheries has been conducting Capacity Building programmes, Workshops, Meetings, Training programmes, Interactions etc., to create awareness among the shrimp farmers and other stakeholders to enhance production and productivity besides promoting sustainable culture practices in the State.

2. The use of antibiotics in Aquaculture is strictly prohibited as their use may result in development of pathogens resistant to such drugs and the transfer of these pathogens into human beings and also the residue might result in development of resistance of pathogens in human body.
3. The Export Inspection Council (EIC), the body authorised to keep checks on marine product exports from the country, has also expressed concern over contamination of Feed/ Feed supplements used in aquaculture farming with antibiotics like Nitrofurantoin and Chloramphenicol and these are available at the local market.
4. The Coastal Aquaculture Authority, banned 20 antibiotics/ pharmacologically active substances and notified the maximum permissible Residual levels (Annexure-III and IV) for use in shrimp culture. CAA also imposed regulation to register all aquaculture inputs free from antibiotics. So far, a total of 654 products from 95 Manufacturers/Distributors have been registered

as antibiotic-free under 8 categories (Feed additive, Pro-biotics, Larval feed, Adult feed, Chemicals, Disinfectant, Immune-stimulants and Drugs). The list is hosted in their website www.caa.gov.in

5. Recently, the European Commission vide decision (EU) 2016/1774 of 4th October, 2016 has decided to enhance sampling plan as:

"Member States shall, by using appropriate sampling plans, ensure that official Samples are taken from at least 50% of consignments presented for import at border inspection posts on their territory. In Case a consignment consists of aquaculture products from more than one establishment of origin samples shall be taken for each individual establishment"

6. Due to this, new strict measures there is likelihood of rejection of more consignments to shrimp export to EU.

7. It is globally recognized as an emerging Public Health threat as Antibiotics are becoming increasingly ineffective against the disease causing bacteria. Antibiotic misuse and overuse accelerates Antibiotic Resistance (ABR) in human beings and animals. Indiscriminate usage leads to biomagnifications of antibiotics residues and resistant bacteria into human beings through direct contact.

8. In view of the above, the Government of Maharashtra decided to regulate the usage of banned Antibiotics in Aquaculture and hereby constitutes the District Level Committees and Task Force Committees to undertake measures to curtail the usage of Banned Antibiotics in Aquaculture as given in (Annexure I and II)

9. In addition to the functions mentioned in the Annexure-II, the Task Force Committee (TFC) will also attend following functions:

A) The Task Force Committee is authorized to make frequent raids/random checks on all shops, Manufacturing units/ companies and suppliers of Drugs, Pro-biotics, Chemicals, Feeds/Feed supplements, Farms, Hatcheries etc., and verify and take action on the un-authorised possession of the products.

B) TFC should ensure that CAA registered products are alone sold in Aqua Shops

C) TFC should ensure that the Aqua-shops not to sell veterinary grade products and encourage Aqua grade Drugs registered with CAA only.

- D) TFC should take random samples from different Aqua shops and send the sealed samples to Drugs Control Authority and Food Safety Departments/ any other Govt. Institute for analysis & report for taking further action.
 - E) TFC should inspect whether proper labeling is made on the product with information, such as, name of the product, Net weight of the product, Composition, Date of manufacture, Date of Expiry, Maximum Retail Price of the product etc.,
 - F) If found any Veterinary Grade / Banned aqua products, TFC shall seize the same and impose penalty of Rs 25,000/- as first offence.
 - G) In case of violation for second time, the defaulter is liable for penalty of Rs 50,000/ cancellation of the License of the Aqua shop and prosecution.
 - H) To send proposals for establishment of Quality Control Laboratories to conduct screening tests for Antibiotic Residues in tissues of aqua products.
 - I) TFC to conduct awareness & campaigns among the stakeholders on the impact of indiscriminate usage of Antibiotics in Aquaculture
 - J) TFC should create awareness among the manufacturers/suppliers/ Marketers/ aqua shops to get their products registered with CAA.
11. The Commissioner of Fisheries, Maharashtra State, shall take necessary action in this matter, accordingly.

This Government resolution of Maharashtra Government is available at the website www.maharashtra.gov.in. Reference no. for this is 202206151845024101. This order has been signed digitally.

By order and in the name of the Governor of Maharashtra.

(Shrinivas Shastri)

Deputy Secretary, Government of Maharashtra

Copy to:

- 1) Chief Secretary of Maharashtra, Mantralaya, Mumbai
- 2) Additional Chief Secretary (Revenue), Mantralaya, Mumbai.

- 3) Additional Chief Secretary (Home), Mantralaya, Mumbai.
- 4) Additional Chief Secretary/Principle Secretary (Medical Education and Drugs), Mantralaya, Mumbai.
- 5) The commissioner of Fisheries, State of Maharashtra, Mumbai.
- 6) All District Collectors with a request to take immediate necessary action at the earliest.
- 7) Deputy Director, Marine Products Export Development Authority, Mumbai.
- 8) All Assistant Commissioner of Fisheries, State of Maharashtra.
- 9) Select File.

Annexure-I

District Level Committee- Constitution and Function

Sr. No.	Composition of DLC	Designation	Role
1	District Collector	Chairman	Conduct regular meetings with DLC members, supervise, action and report etc.,
2	District Fisheries Officer ACF/FDO of Concerned District	Member Secretary	Convene meetings, inspection, raids, sampling reports, awareness camps etc.,
3	District officer of the Food & drug Department	Member	Raids, sampling sealing of the samples, sending for analysis, report, Action etc.,
4	Representative from Revenue Department (nominated by Collector)	Member	Assisting Fisheries, Drug control Authorities, Food Safety officers etc.,
5	Representative from Police Department (nominee of Superintendent of Police)	Member	Law and Order-Public Nuisance etc.,
6	Representative from MPEDA/NacSA	Member	Conduct awareness camps /workshops, convene meetings, inspection, raids, sampling, reports etc.,
7	Stakeholders (Aqua farmer /Hatchery operator/ Feed plant Operator /Exporter /Marketer/Aqua shop Assn.etc.	Member (2-3)	Participatory approach in implementation of the decision taken by DLC

Annexure-II

Task Force Committee-Constitution and Function

Sr. No.	Composition of TFC	Designation	Role
1	ACF/FDO of Concerned Jurisdiction	Head of TFC	Govern meetings, inspection, raids sampling, reports, awareness camps etc.,
2	Drug Inspector (As nominated by the District Officer, Food & drug Administration.)	Member	Raids, sampling sealing of the samples, sending for analysis report, Action etc.,
3	Representative from Revenue Department	Member	Assisting Fisheries, Drug control Authorities, Food Safety officers etc.,
4	Representative from Police Department	Member	Law and Order-Public Nuisance etc.,
5	Representative from MPEDA/NacSA	Member	Conduct awareness camps/workshops, convene meetings, inspection, raids, sampling, reports etc.,
6	Stakeholders (Aqua farmer/Hatchery operator/Feed plant Operator/Exporter/Marketer/Aqua shop Assn.etc.	Member (2-3)	Participatory approach in implementation of the decision taken by DLC

Annexure-III

List of Antibiotics and other pharmacologically active substances banned for using in shrimp aquaculture

Sr. No.	Antibiotics and other Pharmacologically Active Substances
1	Chloramphenicol
2	Nitrofurans including: Furaldone, Furazolidone, Furylfuramide, Nifuratel, Nifuroxime, Nifurprazine, Nitrofurantoin, Nitrofurazone
3	Neomycin
4	Nalidixic acid
5	Sulphamethoxazole
6	Aristolochia spp and preparations thereof
7	Chloroform
8	Chlorpromazine
9	Colchicine
10	Dapsone
11	Dimetridazole
12	Metronidazole
13	Ronidazole
14	Ipronidazole
15	Other nitroimidazoles
16	Clenbuterol
17	Diethylstilbestrol (DES)
18	Sulfonamide drugs (except approved Sulfadimethoxine, Sulfabromomethazine and Sulfaethoxypyridazine)
19	Fluroquinolones
20	Glycopeptides

Annexure-IV

Maximum Permissible Residual Levels for Fish and Fishery Products

Substance		Maximum Permissible Residual Levels (in ppm)
A. Antibiotics and other Pharmacologically Active Substances		
1	Chloramphenicol	Nil
2	Nitrofurans including: Furaltadone, Furazolidone, Furfylfuramide, Nifuratel, Nifuroxime, Nifurprazine, Nitrofurantoin, Nitrofurazone	Nil
3	Neomycin	Nil
4	Nalidixic acid	Nil
5	Sulphamethoxazole	Nil
6	Aristolochia spp and preparations thereof	Nil
7	Chloroform	Nil
8	Chlorpromazine	Nil
9	Colchicine	Nil
10	Dapsone	Nil
11	Dimetridazole	Nil
12	Metronidazole	Nil
13	Ronidazole	Nil
14	Ipronidazole	Nil
15	Other nitroimidazoles	Nil
16	Clenbuterol	Nil
17	Diethylstilbestrol (DES)	Nil
18	Sulfonamide drugs (except approved Sulfadimethoxine, Sulfabromomethazine and Sulfaethoxypyridazine)	Nil
19	Fluroquinolones	Nil
20	Glycopeptides	Nil

21	Tetracycline	0.1
22	Oxytetracycline	0.1
23	Trimethoprim	0.05
24	oxolinic acid	0.3

B . Substance having anabolic effect and unauthorised substances

1	Stilbenes, Stilbene derivatives and their salts and esters	Nil
2	Steroids	Nil

C. Veterinary Drugs

1	Antibacterial Substances, including quinolones	Nil
2	Ante helminthic	Nil

D. Other Substance and environmental contaminants

1	Organochlorone compounds including PCBs	Nil
2	Mycotoxins	Nil
3	Dyes	Nil
4	Dioxins	4 picogram per gram, fresh weight

E. Pesticides

1	BHC	0.3
2	Aldrin	0.3
3	Dieldrin	0.3
4	Endrin	0.3
5	DDT	5.0

F. Heavy Metals

1	Mercury	1.0
2	Cadmium	3.0
3	Arsenic	75
4	Lead	1.5
5	Tin	250
6	Nickel	80
7	Chromium	12